

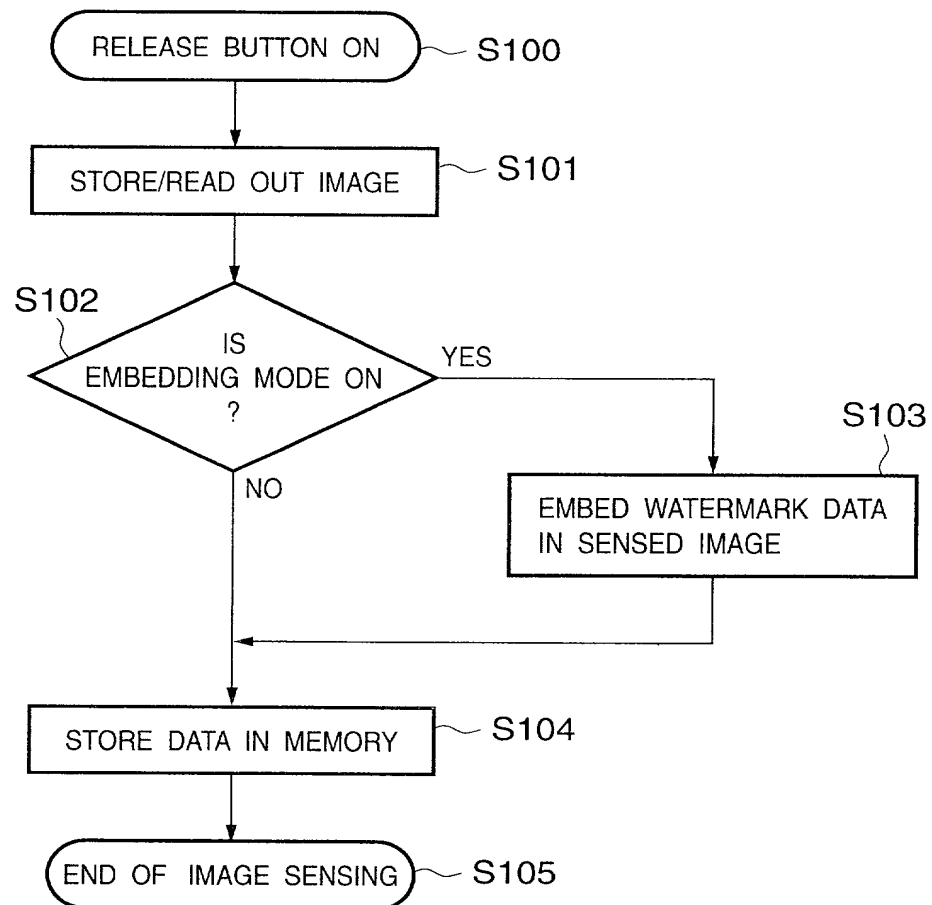
FIG. 1

FIG. 2

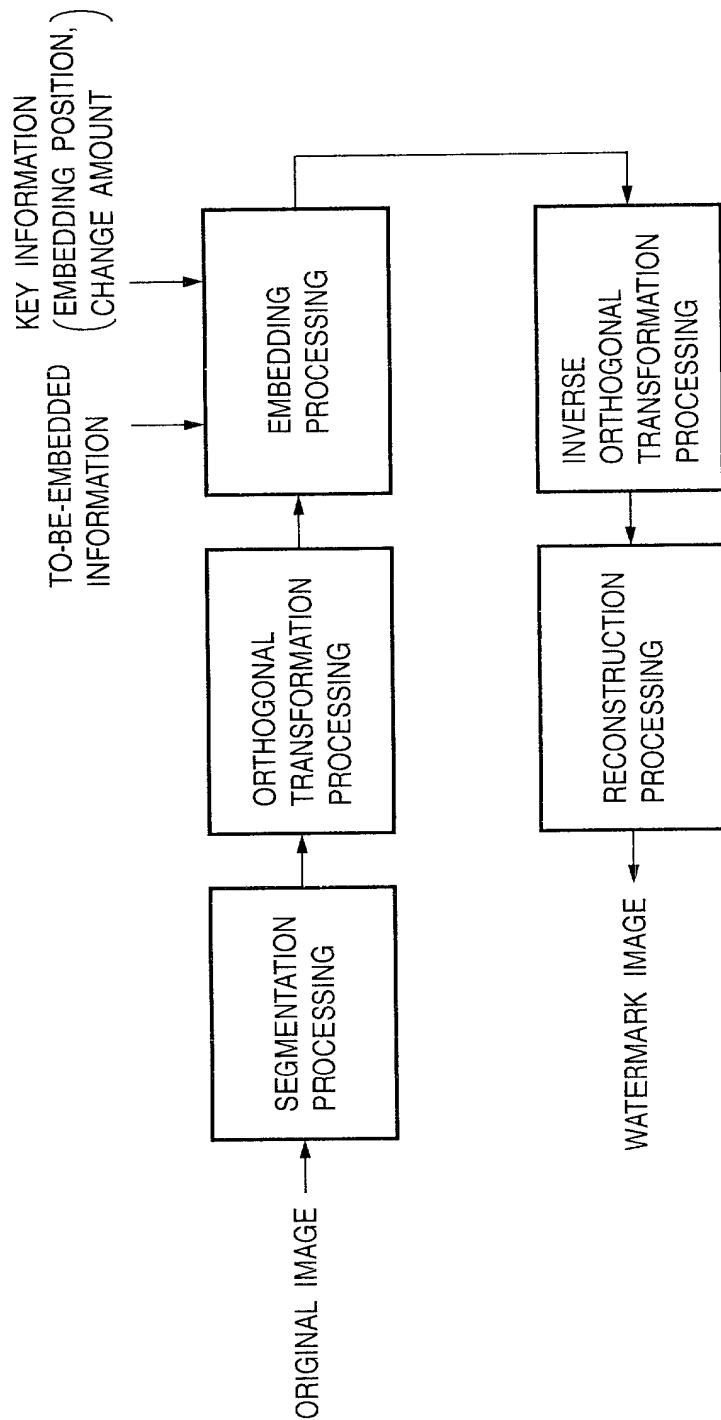


FIG. 3

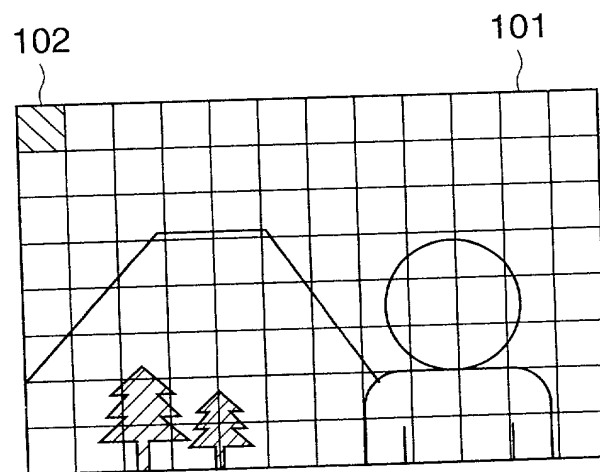


FIG. 4

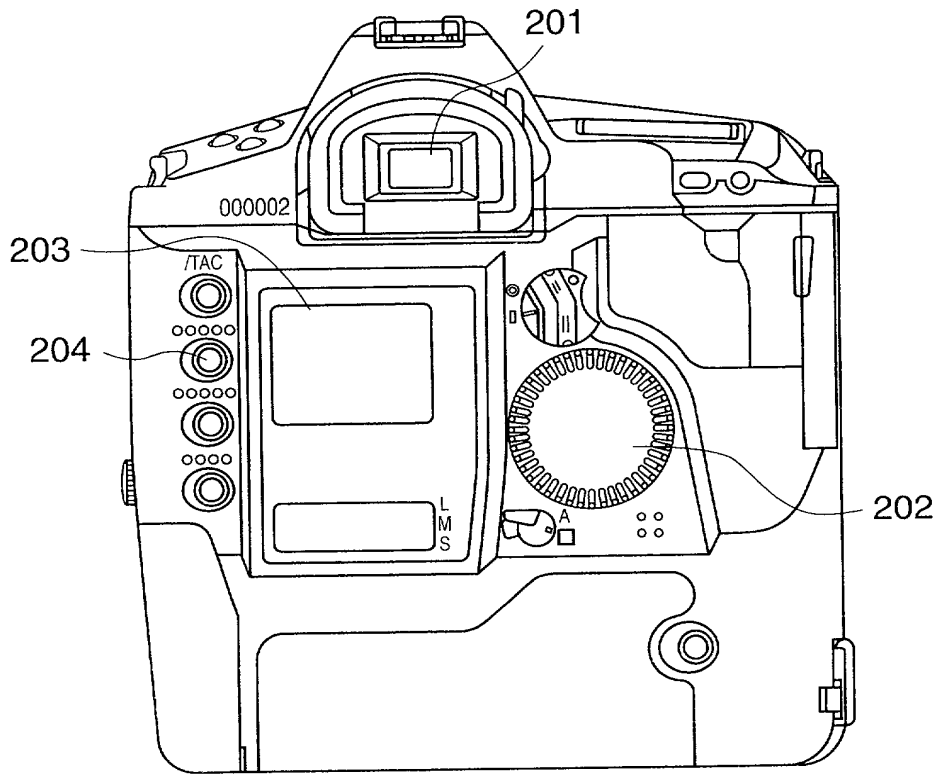


FIG. 5A

203

WATERMARK - MODE

| | | |
|-----------|--|---|
| EMBEDDING | <input checked="" type="checkbox"/> ON | <input type="checkbox"/> OFF |
| TYPE | <input type="checkbox"/> VISIBLE | <input checked="" type="checkbox"/> INVISIBLE |
| STRENGTH | <input checked="" type="checkbox"/> IMAGE QUALITY PRIORITY | <input type="checkbox"/> ROBUSTNESS PRIORITY |

FIG. 5B

206

WATERMARK - MODE

| | |
|-----------|--------------------|
| USER | Heizou Hasegawa |
| DATE/TIME | 1999. 06. 09 15:37 |
| CAMERA ID | 31415926535 |

FIG. 6

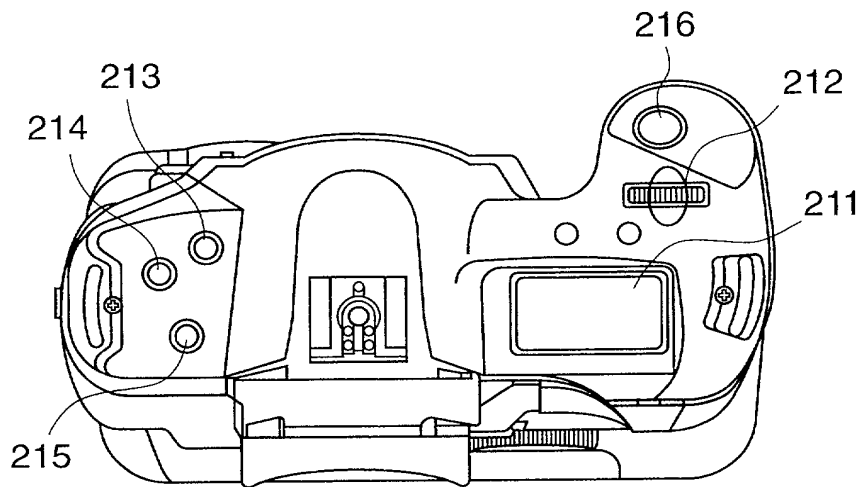


FIG. 7

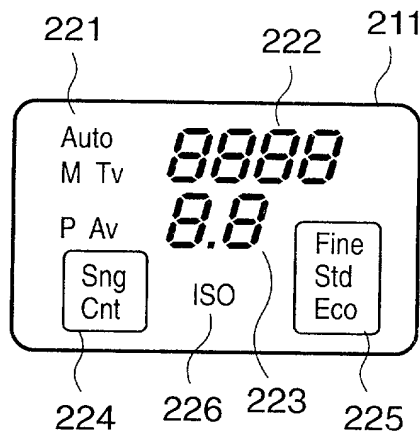
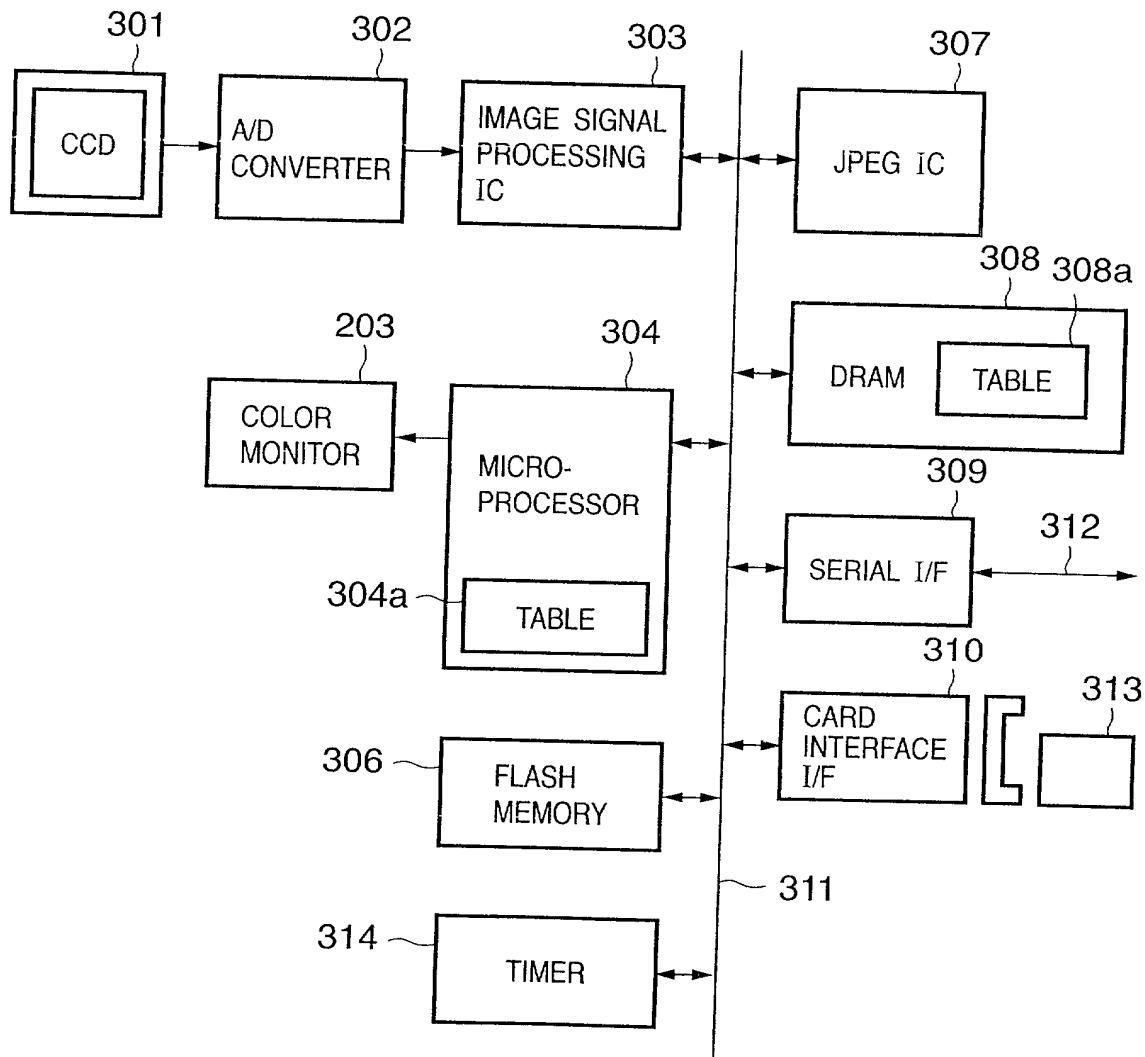


FIG. 8

9/21

FIG. 9A

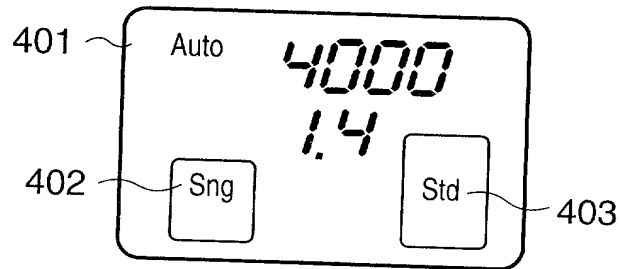


FIG. 9B

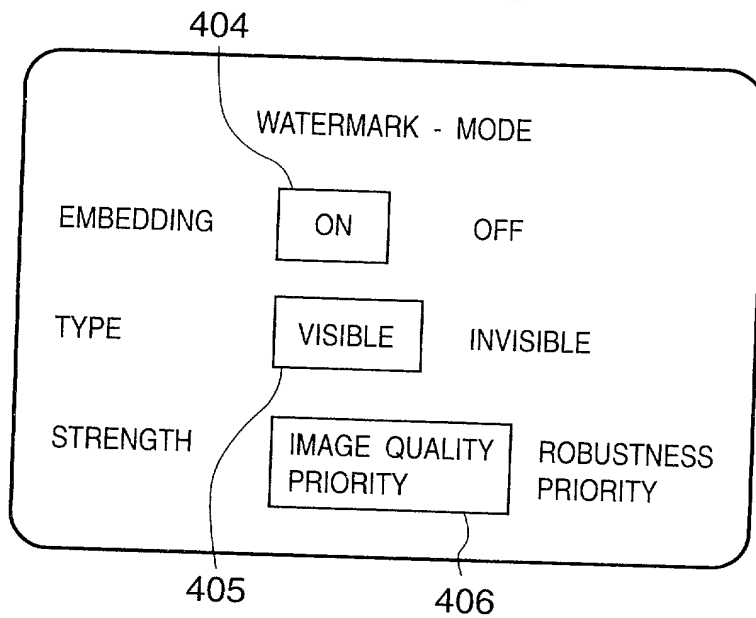
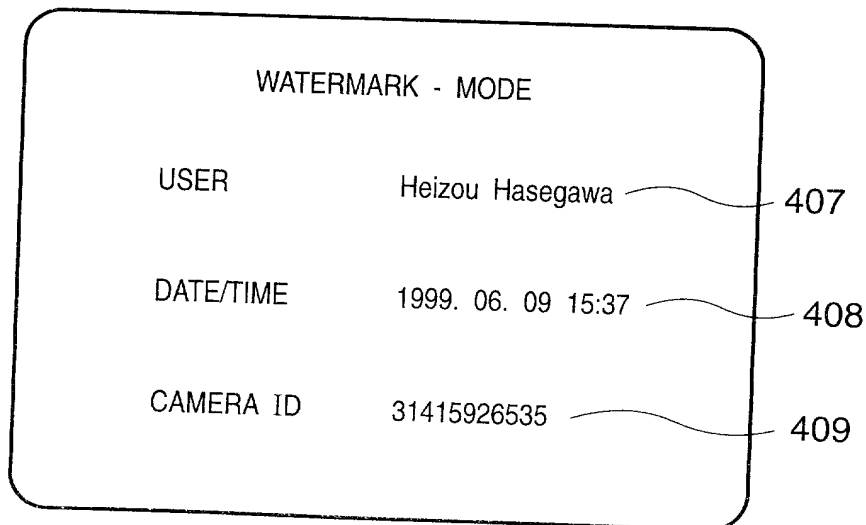


FIG. 9C



10/21

FIG. 10A

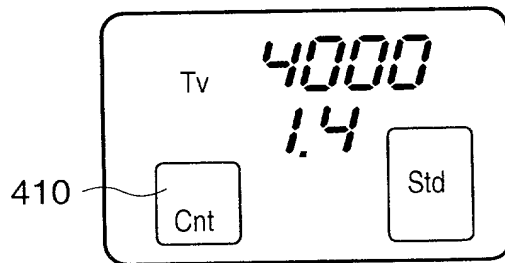


FIG. 10B

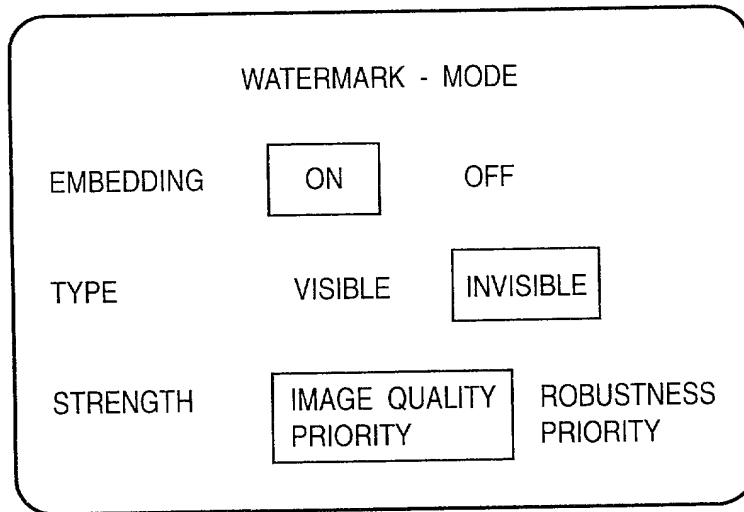


FIG. 10C

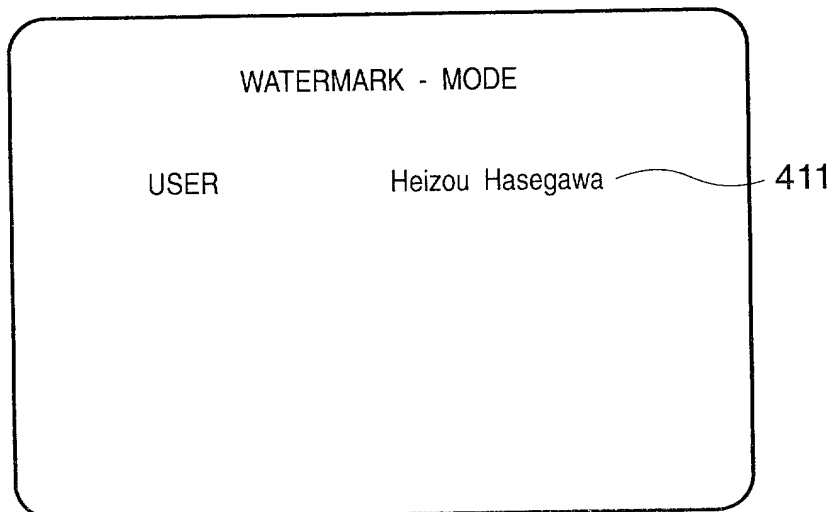


FIG. 11A

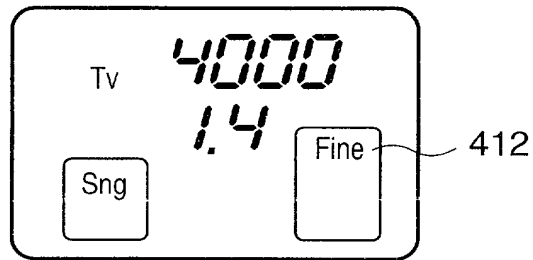
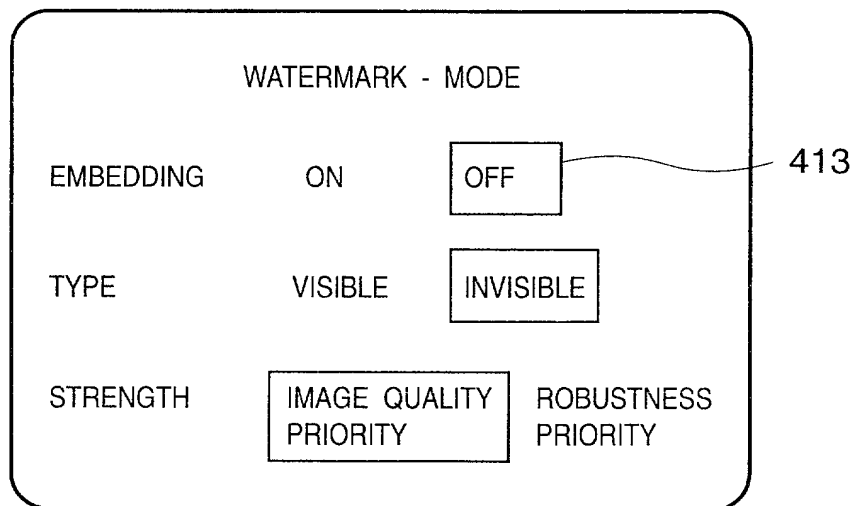


FIG. 11B



12/21

FIG. 12A

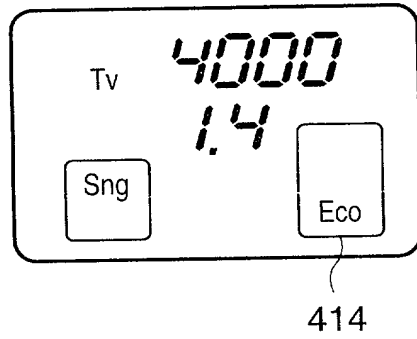


FIG. 12B

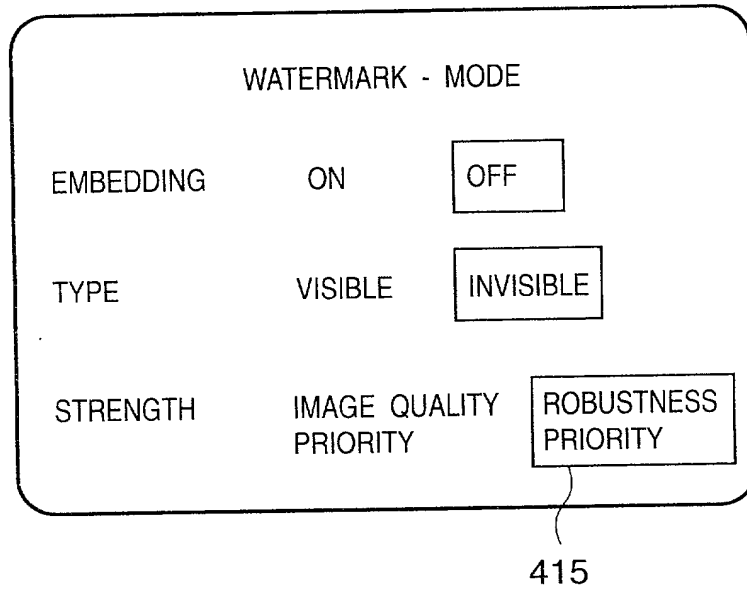


FIG. 13A

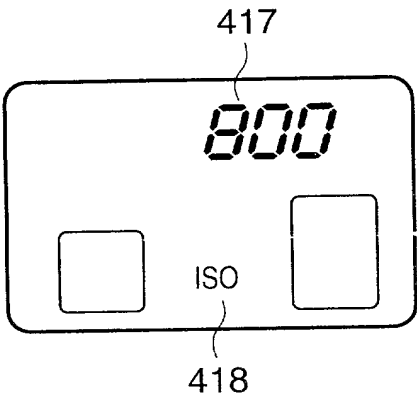


FIG. 13B

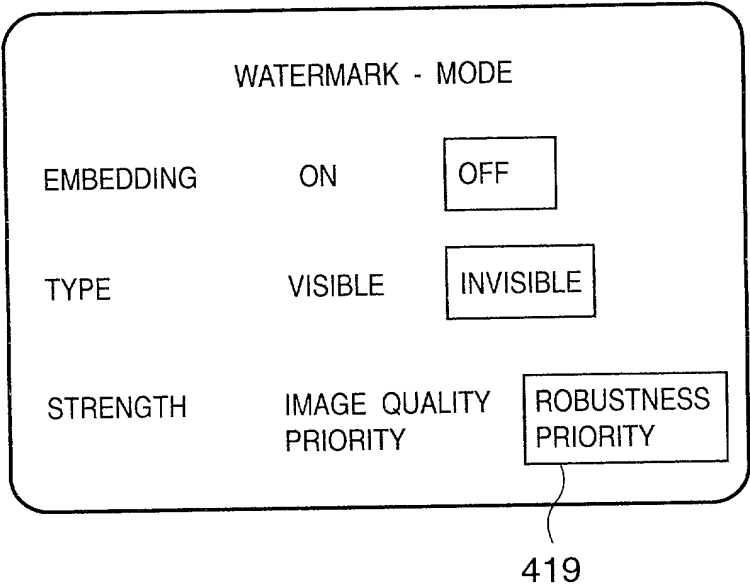


FIG. 14

| | EMBEDDING FUNCTION | TYPE | | IMAGE QUALITY(STRENGTH) BASED ON WATERMARK | | TO-BE-EMBEDDED DATA | |
|---|-----------------------|-----------------------|-----------|---|------------------------|-----------------------|-----------------------|
| | | VISIBLE | INVISIBLE | IMAGE QUALITY PRIORITY | ROBUSTNESS PRIORITY | USER + DATE | + CAMERA ID |
| IMAGE SENSING MODE | Auto | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | <input type="radio"/> |
| | P | | | | | | |
| | Tv | | | | | | |
| | Av | | | | | | |
| | M | | | | | | |
| | Sng | | | | | | |
| DRIVE | Cnt | | | | | <input type="radio"/> | |
| | Fine | <input type="radio"/> | | | | | |
| IMAGE QUALITY (COMPRESSION) FOR STORAGE | Std | | | <input type="radio"/> | | | |
| | Eco | | | | <input type="radio"/> | | |
| | LOW SENSITIVITY | | | <input type="radio"/> | | | |
| SENSITIVITY | HIGH SENSITIVITY | | | | <input type="radio"/> | | |

FIG. 15

| | | IMAGE SENSING MODE | | | | | | DRIVE | | IMAGE QUALITY (COMPRESSION) | | | SENSITIVITY | |
|--------------------------|------------------------|--------------------|---|----|----|---|-----|-------|--|-----------------------------|-----|-----|-----------------|------------------|
| | | Auto | P | Tv | Av | M | Sng | Cnt | | Fine | Std | Eco | LOW SENSITIVITY | HIGH SENSITIVITY |
| EMBEDDING FUNCTION | ON | | | | | | | | | | | | | |
| | OFF | | | | | | | | | | | | | |
| TYPE | VISIBLE | | | | | | | | | | | | | |
| | INVISIBLE | | | | | | | | | | | | | |
| IMAGE QUALITY (STRENGTH) | IMAGE QUALITY PRIORITY | | | | | | | | | ○ | | | ○ | |
| | ROBUSTNESS PRIORITY | | | | | | | | | | | | | |
| TO-BE-EMBEDDED DATA | USER | | | | | | | | | | | | | |
| | + DATE | | | | | | | | | | | | | |
| | + CAMERA ID | | | | | | ○ | | | | | | | |

FIG. 16

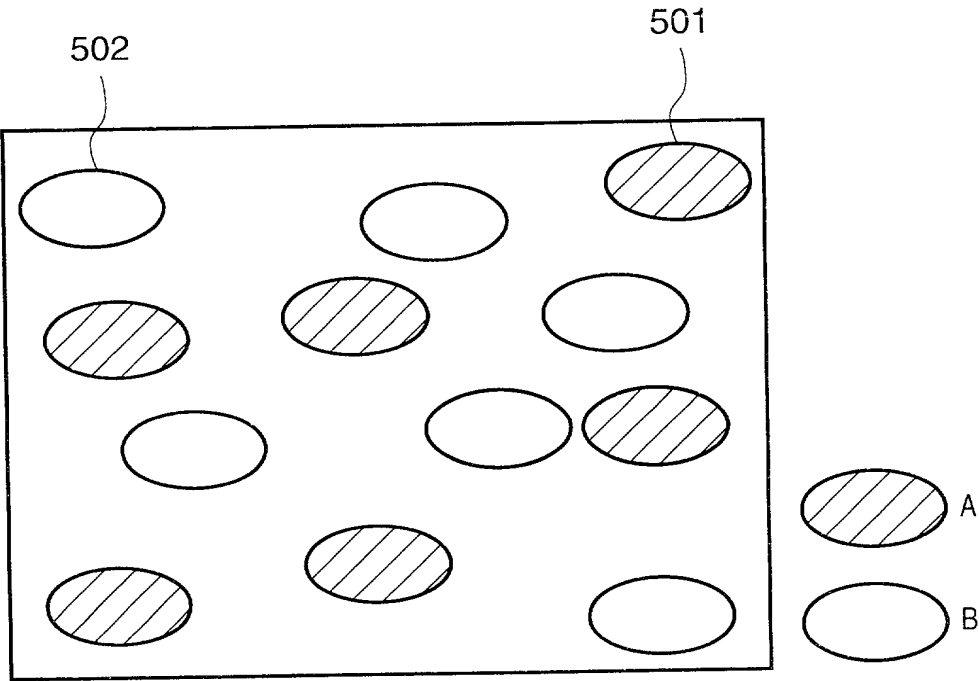


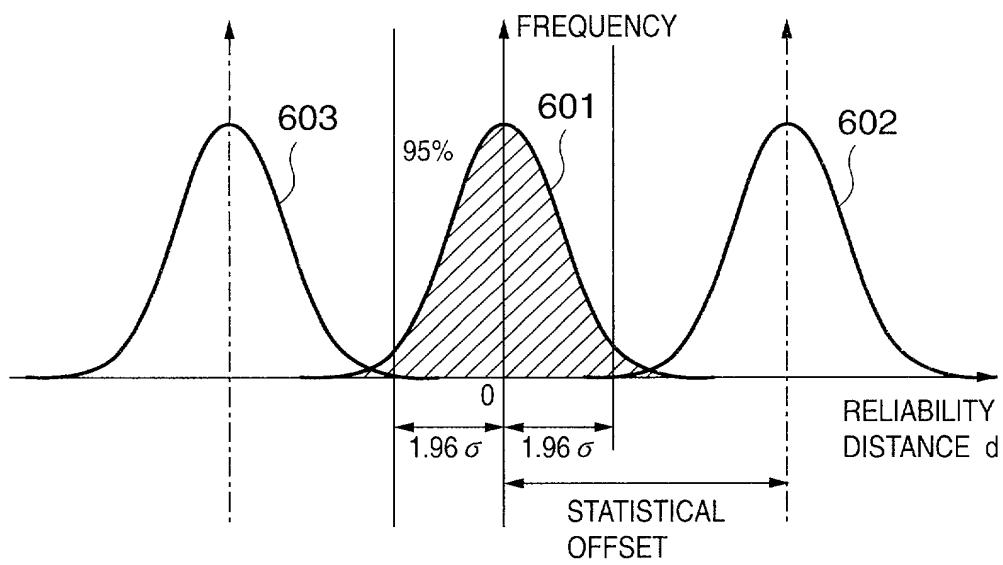
FIG. 17

FIG. 18

308

| | | |
|---------------------|--------------------|--------------|
| WATERMARKING | ON | UNCHANGEABLE |
| VISIBLE / INVISIBLE | VISIBLE | UNCHANGEABLE |
| EMBEDDING LEVEL | HIGH IMAGE QUALITY | UNCHANGEABLE |
| USER NAME | ON | UNCHANGEABLE |
| IMAGE SENSING DATE | ON | UNCHANGEABLE |
| CAMERA ID | ON | UNCHANGEABLE |

FIG. 19

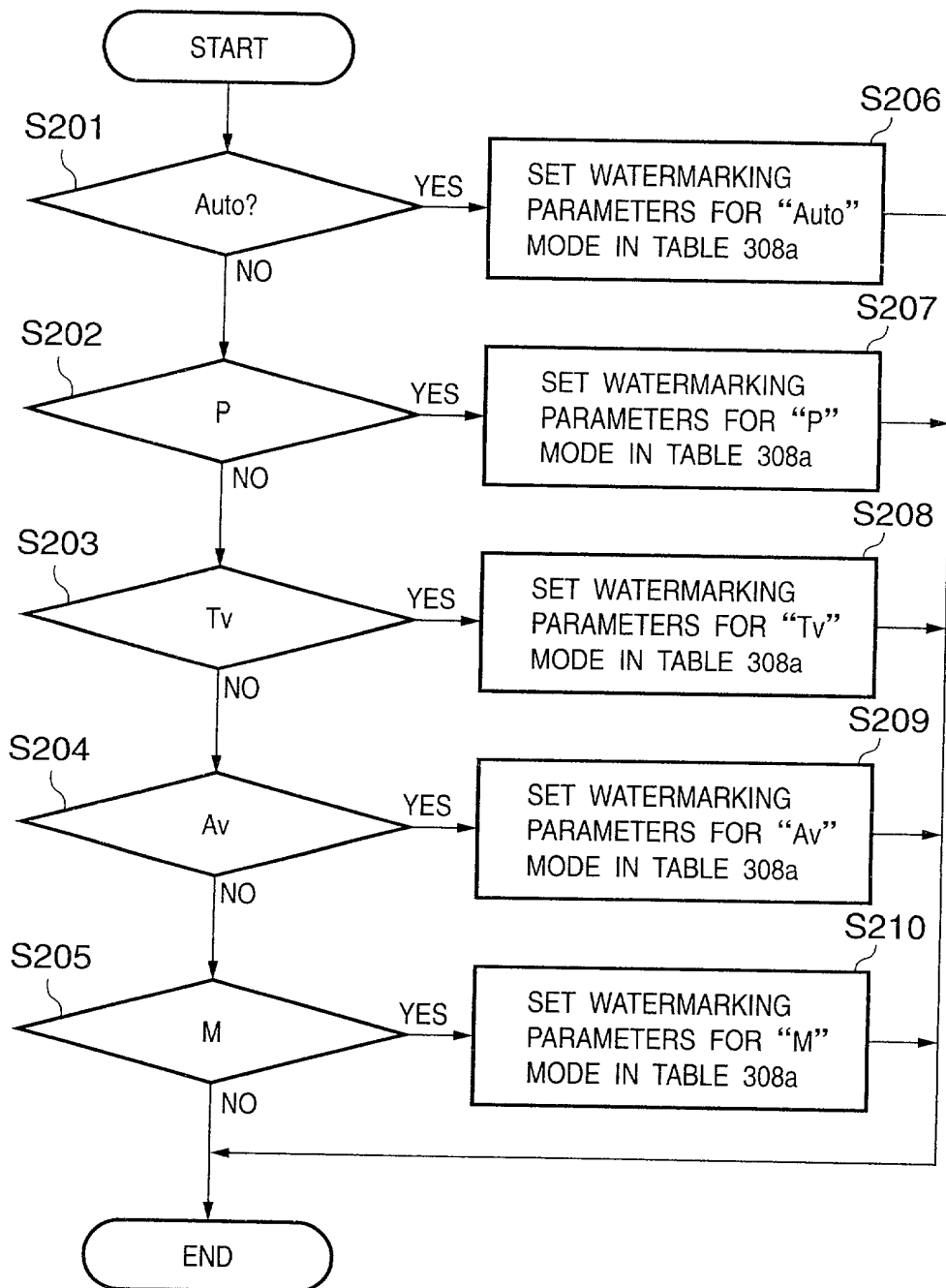


FIG. 20

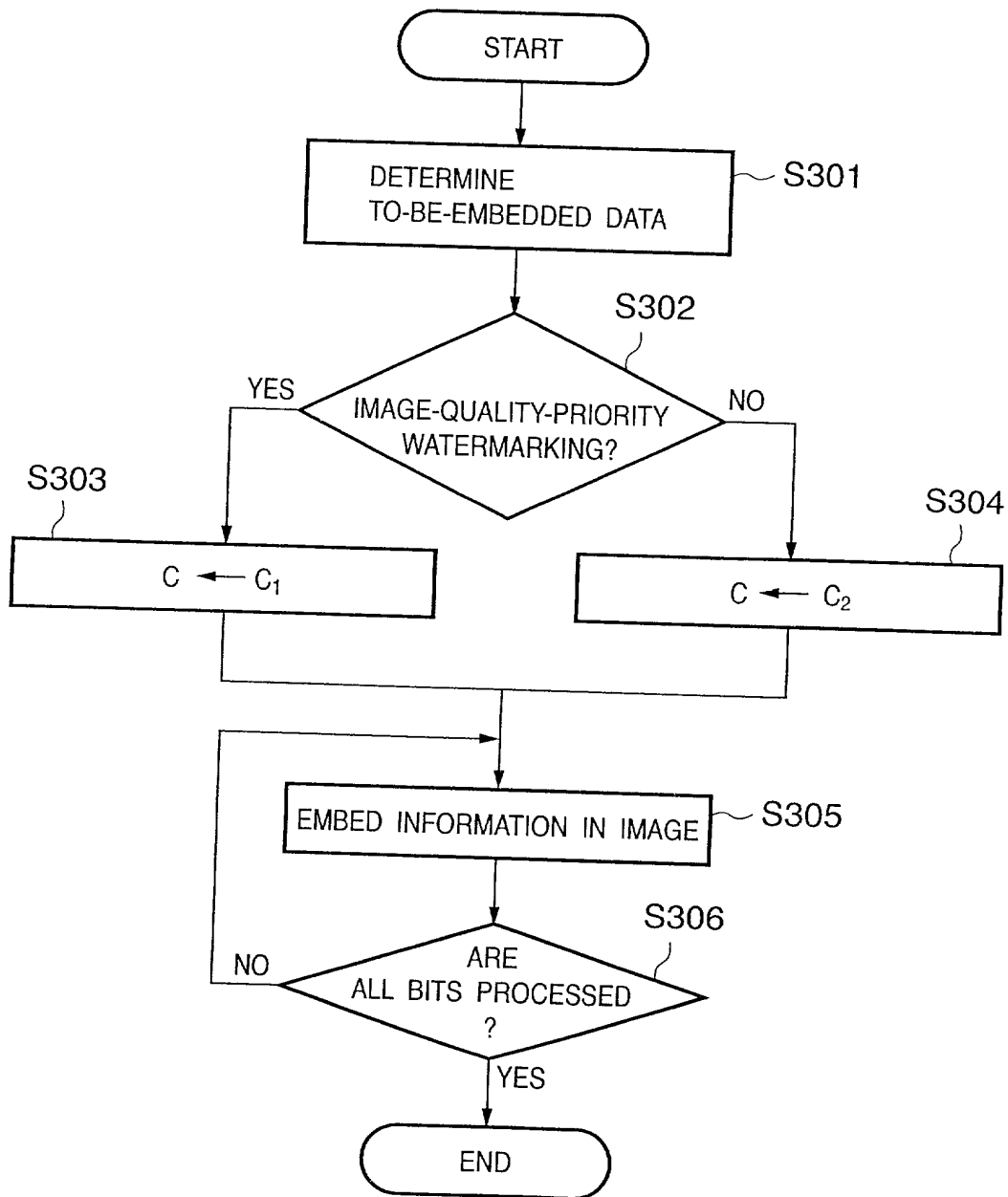


FIG. 21